OLD DAYS OF RAILROADING. PERSISTENT TRAIN WRECKING PIFTY

YEARS AGO.

The People About Tribe's Hill Bitterly Opposed to the Ruilding of the Road There— How They Obstructed the Movement of Trains—High Speed Rare in Those Days, "Fifty years ago I worked at the building of what is now a portion of the New York Central Railroad," said a veteran ex-railroader, "and I don't believe there was ever in the history of railroad building in this or any other country such a struggle between people living along the line of a railroad on that one. This was especially the case in the vicinity of Tribe's Hill, where certan property owners refused to sell the right of way for the railroad, and the property had to be taken by the company under the law of eminent domain. The property owners, after the route for the railroad had been fixed by process of law, harassed the workmen in various wars while the roadbed was being graded and the track laid. Whole sections of embankment or grade would be destroyed by them in a single night, and rails torn up almost as fast as they could be put down. The work had to be completed at last under a strong guard of special constables.

After the railroad was finished in that local-It it was supposed that the persistent opposi-tion to the work would cease, but the first train that attempted to run through that hostile peighborhood ran into a pile of heavy logs and other obstructions, and the engineer and several passengers were severely injured. That was undoubtedly the first successful attempt at train wrecking in this country. There was no doubt in the mind of any one who the perpetrators of the outrage were-and some of them were men of a good deal of consequence in those days; but no one was arrested.
"The engineer of the next train that ran on

that part of the railroad was on the look out for trouble, and discovered an immense pile of cordwood on the track. It took him and the rest of the trainmen an hour to throw the wood sear of the rails so the train could proceed. They had only gone a few rods when, on rounding a curve, the engineer and fireman discovered an immense stack of straw on the track. Suspecting that something more formidable than straw was hidden by the stack the trainmen tore it to pieces and scattered the straw, but found no other obstruction. During the work of removing the stack, though, the men and the train were assailed by showers stones and clubs from the bushes and high banks on either side of the railroad. Several days after that, straw stack after

atraw stack was found piled on the rails, and each time the engineer would bring the train to a stop, for fear that more solid and dangerous obstacles were inside the straw. After score of these stacks were torn apart and no dangerous obstructions found concealed them, the engine was kept moving and made to scatter the straw without stopping the train. This bunting of the stacks down with the engine was at first done with caution and by running it slow. By and by, however, the engineer put aside his caution and went whizzing through the stacks withent slacking the speed of his train. This is probably what the opponents of the road were waiting for. At any rate, one day the engineer rushed his locomotive against a large straw stack and instantly found himself in a disastrous wreck. The engine was rolled down the bank and two cars were smashed The fireman was seriously hurt, but the engineer miraculously escaped with a few scratches. Several of the passengers were hurt. That strawstack was simply a thin covering to a pile of huge sloves which the farmers had rolled For weeks the track continued to be strewn

with observations of various kinds, and with each train men were carried whose duty it was to clear the track of these obstacles. After a time these enemies of the road became more bold and adopted a novel plan of obstructing and delaying the evening train that ran west. To carry out this plan a number of the farmers and delaying the evening train that ran west. To carry out this plan a number of the farmers broke into a shed where the cars were housed and steles handcar from the company. This they loaded with hig stones and ran it into the curve at Tribe's Hill, where they awaited the coming of the train, When the train came along the men on the handcar dumped several hig stones out on the track. This brought the train to a standstill and the gang on the handcar started on. The car was run a few handred feet, where it was stopped again. When the men on the train cleared the stones from the track and the train started ahead, it room came in sight of the handcar again, when the gang dumped more stones on the track and wenton. And so for miles the train was harassed in its progress, causing hours of delay and hard work for the men. Several persons were arrested, charged with being concerned with this last bold effort to hamper traille on the railread, but they were all discharged. The company was at a loss to know what course to pursue to put a stop to these outrages, but a last, when a number of persons were discovered.

in the set of burning the railroad bridge at Amsterdam, the managers determined to take the law in their own hands.

A number of trusted employees were selected and stationed at different points on the dangerous sections of the railroad, armed with rifles, and they had orders to shoot on sight any person detected in placing an obstruction on the track. One of these men was the late George Cox, the pioneer locemotive engineer of the New York Central. He was stationed east of Tribes Hill. The night he went on duty as an armed guardian of his employers. of the New York Central. He was stationed east of Tribe's Hill. The night he went on duty as an armed guardian of his employers' property was quite dark, and objects could not be seen with much distinctness many feet away. Cox placed himself behind some bushes not far from the railroad, and, as he said afterward, prayed that he might not be called on to carry out the orders he had received. He had not been long on guard when, to his dismay, he heard persons approaching the track from the opposite side. He peered from behind his bush and presently could distinguish the formsoftwomen. As they drew hears he could make out that they were carrying something between them, which was plainly very heavy. The west-hound train would be along there in ten minutes, according to its schedule, and Cox trembled with excitement as the men slichtly approached the track with the heavy object they were carrying. When they reached the track and deliberately placed that object helween the rails Cox felt himself turning cold, but he also telt that it was his duty to set, and to set promptly. He raised his riffe and aimed at one of the Ben. His finger was on the trieger. But somehow he could not null it. He was prevented by something from shooting, and he resolved to take the men into chatculy instead of having their blood on his hands. He advanced upon them and warned them that if they made an attempt to escale they were dead men. They remained on his hands. He advanced upon them and warned them that if they made an attempt to escape they were dead men. They remained stock still and speechless. When Cox came up to them he found them terror-stricken. He recognized them as two carpenters who had been at work for the Ene Canal section boss. Their job was finished and they were carrying their heavy todehest to the Tribe's Hill station, where they intended to take the cars for home. The weight of the chest had forced hem to set it down as they had in order to reat themselves a moment, with no thought that they were endangering a train.

The thought of how nearly he had come to killing in cold blood an innocent and unsuspecting man so affected Cox that the men were combelled to carry him to the station. He was taken home and lay for weeks between life and death from severe nervous shock and

and death from severe nervous shock and prostration.

"But that close call of the carpenters' put an end to obstructing the railroad around Tribe's fill. The prospect of being filled with lead while engaged in their diversion of trainweeking was more than the progressive citizens carrel to encounter, and there was never any treathe on the track after that night.

In of the first engineers to run a mile-aminate clinia the country was Buillail. That was more than fifty years ago, but Bill is still running an engine a pusher on the New York Central out at Batavia—and that makes him the other engineer in actual service in the tentral out at Batavia- and that makes him the offect engineer in actual service in the United states, if not in the world. He is 75 years old, fifeet 2 inches in his stockings, and as south as a bullet. In 1848 he was running an engine on the and Boston and Maine Railroad, of which Charles Minot was superintendent. Bit's engine was called the Antelope, and she was worthy of the name. The run was made between Boston and Lawrence, twenty-338 miles. Charlesy stock in the locarmative of twe in Roston and Lawrence, twenty at the Instended on the locomotive at access said, and when the first twelve ere rim, and it had taken thirteen minurally said to Bill is will never do, William! Pull her is will never do. of and William did pull her wide open, and mude the remaining fourteen miles in made the remaining tource.

"To minutes,"
we years later Charles Minot came to the
Wo years later Charles as surer intendent.

York and Eric Railroad as surer intendent. k and Frie Railroad as substitutendent, e was then only open as far west as Bill Hall and a number of other and Maine boys came with Minot to the pioneer trunk line, among them G. Brooks, who brought his locomo-

rand became master mechanic of the Eric and the Brooks Locomodom, in 1800s he founded the Brooks Locomodom, and the Local Companies and the Brooks Locomodom, and the Local Companies and the Brooks Locomodom, and the Local Companies and the International Companies and Intern

WORSE THAN WAR. Footprint's Night Ride in a Box Car with Two Mountain Mules.

"Well," said the Footprint to Slug Seven as he settled down on his stool and began to throw in a handful of type, "if I didn't have a time of it getting down here out of those mountains." "Been up in the mines?" inquired Slug

Seven "Yep." replied the Footprint. "Just came

out. Footed it from Angels to Milton resterday and rode into Stockton on a side-door sleeper last night. A side-door sleeper," continued the Footprint, "is not the most comfortable mode of travelling, Personally, I prefer to ride on a red cushion, but the heartless and exorbitant demand of the Railroad Trust for spot cash and the war tax which plutocratic greed has put on whiskey compelled me to walk or come as freight. I came as freight. "Sure," said Slug Seven.

"The unpleasant feature of the trip," confinued the Footprint, "was the base betrayal of confidence on the part of the brakeman with whom I negotiated for an undisturbed passage. For a cash consideration of six bits and a drink of liquor he verbally contracted to waybill me from Milton to the division end at Stockton. We went up street to take the drink and—well.

For a cash consideration of six bits and a drink of liquor he verbally contracted to wasbill me from Milton to the division end at Stockton. We went up street to take the drink and—well, you know how one word brings on another. By train time the \$4 I had sunk in my leans had been lished to the surface and sent across the bar for red liquor. The brakeman was full when he started for the yards. So was I when I started after him. The brakeman confided to me on the way through the yards that he owned the whole train and I could ride anywhere and any way I wanted to. I told him that I was surrounding at least a quart of Milton whiskey and if it was all the same to him and he had a nice, dry empty box car I would be shinged as an unbroken original cackage. He agreed and we went over where the train was standing made up to find that emoty. The brakeman ran a door open, gave me a hurried boost in and ran the door shut and locked it. After a bit I struck a match to look about and what do you suppose that cuss had done?

"Give it up," said Slug Seven.

"Billed me as livestock, by gum! Fact. There I was locked in a box with two mules, both loose, and all of us good to keep company to the division end. What was that Sherman said about war? Said it was hell, didn't he? Well, it alm't. It's only an imitation. The real, orthodox, rose-zolored hell is to spend a night in a locked box car with two mountain ranch mules. It isn't a long run from Milton in, and I concluded, after the train had bumeed along about three miles and those scared mules had begun to charge around and kick a rat-a-tat, tat, tar of the wides of the car, that the only plan of campairin left to me was a flank movement and a sudden mounting of one of the animals. It wouldn't be a dream of pleasure or that mule a back, but it would be suffined to the single straided by a rider.

"Well, I was just chuckling to myself over the state of affairs in the live stock desurtment of the Single for rapid-fin him head with the ranched to take one of the stock devartment o

THE GOOD SAMARITAN.

An East Side Sunday School Boy Throws New Light on His Character.

The small boy's ability to translate the language of his elders into the speech of his comades had an illustration lately in the Sunday school class of an east side settlement, and the neident showed as well that when the child sometimes hesitates to answer his teacher's questions, it isn't because the stupid little head has failed to grasp the idea of the lesson. but because the book-words which he thinks the teacher wants won't come out. This Sunday school class had been studying the story of the priest, the Levite and the good Samaritan. The teacher wanted to bring the lesson down to to-day and to point out that the Sa-

down to to-day and to point out that the Sa-maritan was essentially a Christian. After striving to do so she wished to ascertain how far she had been successful and she asked the boys what a man who acted like the good man of the Eible story would be called to-day. The class became dumb, with the exception of one small youngster who seemed to be choking, either with a word that refused to come out, or with its own emction at having an idea which he wanted to express. He re-quired some little encouragement, and the River boat to Albany, thence by the Eric Canal to Buffalo, and thence on a Lake Eric boat to Dunkirk, where he put the engine together. It was what was known as a Hinckley engine, and was named 'The Dunkirk.' It was the first locomotive on the western end of the Eric, and helped build the rail-road east from Dunkirk. Brooks afterquired some little encouragement, and the teacher even went so far as to suggest the initial sound of the word which she heped he

there would perhaps be less argument in favor of a new bale, upon the special ground of snipping convenience, but this is not the case. They frequently vary nearly a foot in height and a full foot in length, and it is not uncommon for stevedores to cut off the extra length to make the bale stow snugly. The cotton thus cut off is more or less damaged. This, however, is but a small part of the disadvantage of the old bale and the need of some better way to handle cotton has been recognized by experts for years. A. B. Shepperson, the statistician of the Cot-

ton Exchange, says in his "Cotton Facts": "The old style of American cotton bale is put up in such an unseientific manner as to make its transportation, its storage, its marine and fire insurance dearer for the same weight and value of cotton than any other cotton of commerce. From the defective methods of baling there is a greater loss in weight in transportation and from theft, greater damage by wet. dirt, dust. fre. &c., and greater loss to the mills from the practically useless bagging and ties and the freight on them than on any other kind of cotron. The pagging on a bala weighs twelve to fourteen pounds and the ties about

ten pounds, so that on every bale of cotton transportation has to be paid on about twentypounds of useless bagging and ties "It is the universal custom to have the planters' square bales compressed by powerful compressors, before shipment by ocean steamers or to any considerable distance by railroad. The cost of compressing is about 50 cents a bale. But this is not all, for the clipremoval of the side pieces of the bagging, which are no longer needed for the smaller bale, and the loss of estion in handling at the compress causes a loss in weight at the compress averaging four pounds a bale. At dicents a round this would add 24 rents to the previous charges. To this would usually have to be added 25 cents a bale to ever storage until the rotton is ready for shipment and drayage to and from the compress.

Here at one stage alone of the moving of the ping of the ties in order to shorten them, the

Here at one store alone of the moving of the cotton crop to the great world's markets is a tax of about \$1 a bale, which it is declared is entirely done naws with by the newer processes, and this one item on a crop of 10,000,000 to 12,000,000 bales each year has in it enough to attract the attention of both the inventor and the money maker. But there are enough other ways for saving, it is authoritatively declared, that make it possible that at least \$3 can be saved in the marketing of every bale. This gives from \$30,000,000 to \$30,000,000 a year, which a successful new system will make it possible to divide between the inventor, the cotton raiser and these who handle the cotton on its way to the mills.

This thirty-odd millions of dollars a year is the incentive which has satired up the inventor and the money maker to the finter of a new and better system, and to-day there are two companies in the field, each with a balling system which they declare to be far alread of the old one and each declared by its advantes to be superior to the other.

Independent rities unoid the claims of both for superiority over the old system and declare that each of the Lew systems has points of advantage common to both and differences which are so marked that they do not commance, but must each be considered superior to the other upon these scenal points. They are alike only that by both round bales of a high degree of density are produced right at the cotton gin with an initial saving which runs right through the whole after process of shipment and transportation and even into the mills where the cotton is broken out of the bales.

The older of these processes and the one

runs right through the whole after process of shipment and transportation and even into the mills where the cotton is broken out of the bales.

The older of these processes and the one which is most advanced in use is that of the American Cotton Company. The foundation of this system was laid by a man named Bessonette. The peculiarity of the bale is that it is made of a compressed law or batting of the cotton, relied up into a solid eviludical form, just as one would roll up a carrier of relied up into a solid eviludical form, into a sone would roll up a carrier of a long strip of paper. In this form each layer forms a binding for the layers beneath it and the bale, no matter how densely the cotton is compressed, stays in form without any binding or ties and merely requires bagging to be ready for shipment. The other new bale is also exilinated in form and is produced by what is called the Lowry process, which differs as much in the methods and unchines used from that of the American Cotton Company as do the bales in their construction and qualities. The Lowry bale is built up from end to end of layers of cotton, but in spirally, and it has a small hole left in the centre of the hac like that in a thread cotton shool. Although this bale will stay in shape for a time after it leaves the machine it has to be bound enjwise to keen it from gradually expanding in that direction. These ties, however, are only of wire and three in number. They are not through the bale at the centre and embrace the cotton in this way from the centre outwardly at three different places.

The American Cotton Company's bale can be unrolled from the side, like a roll of carpet, but is almost as hard as wood at the ends. The general advantage of showing along its sides the outer edge of each inversant thus of assuring a buver of its uniform quality.

The general advantage of showing along its sides the outer edge of each inversant hus of assuring a buver of its uniform quality.

The general advantage of showing along its sides the outer edg

now being made are produced are interesting.

In the baling machines of the American Cotton Company the lint cotton as it comes from the gin is sent flying up a big pipe, where it on the gin is sent flying up a big pipe, where it encounters first a perforated wheel revolving
rapidly under a dust chimney. The lighter
dirt in the cotton is blown out of this chimney
while that which is heavier talls through the
wheel into a dust pan suspended inside. The
wheel presently throws the lint off by centrifugal action and it falls into a V-shaped opening whose sides are formed of beits revolving
over rollers. These belts lead it to the lower
rollers, which set quite close together and
draw the eston out into a hat of even thickness and of the width of the opening. This
width determines the length of the bale.
There are two sizes of machines, one making
a forty-eight-inch bale and the other a thirtysix-inch bale.

The bat now masses between two rollers

six-inch bale.

The but now masses between two rollers which are held together by heavy springs, and here all the air is pressed out of the cotton, repidering the previously thick and fluffy hat a close feltlike ribbon. It is one of the recent

which are held together by heavy aprings, and here all the air is pressed out of the cotton, rendering the previously thick and fluffy but a close feltlike ribbon. It is one of the recent improvements in the system that this pressure is not produced by two herd metallic faces, but that a rubber band runs over the lower roller between its face and the cotton. This band now leads down to the borizontal centre of the wheel, where it turns upward again around a spindle on which the bale is to be rolled. Another roller sits onposite, with its centre in line with the centre of the first and also with the spindle, and this is pressed toward the first roller by a hydraulic nump, plaching the forming bale between the two. The rubber band passes up over the second roller and then down to a movable tichtening roller nellow.

As the end of the but of cotton reaches the spindle it legins to wind about it and each fold is pressed close to the last by the opposite roller. In the early days of this bale it was found that the centres were finally so compressed by the increasing tension of the outer wrangers that the bale would not entirely unwind. This is obviated now by giving a lighter pressure at first, and the cotton is allowed to soften up at the centre even more by removing the spindle after the bale formed. When the bale is rolled to the required size it is taken out, covered, weighed and marked. The machines are built double so that the bale to be produced, and in the top plate are a number of holes radiating about the centre, Just under these holes is a revolving clate turned by rower. That is the whole machine. The lint, after heing cleaned by any suitable device, is et fall upon the ton of the unitable. The lint, after heing cleaned by any suitable device, is et fall upon the ton of the unitable. The lint, after heing cleaned by any suitable device, is et fall upon the ton of the unitable. The cotton falls through the holes and the revolving blate cathes it and draws it in, pressing the air out of it as the cotton fa

As each bag is filled, the cotton is cut off, a new bag fitted on, and so the cotton is cut off, a new bag fitted on, and so the coteration goes on endeasly like a sausage filling machine. There is an automatic arrangement for placing the stress in the bales and these baye to be fastened before the bag is finally sampled, sewed up, weighed and marked.

That the round bale is making its way into trade favor is evident, but only time can determine whether the bales now being made will be the successors of the old rectangular bale, or some bale yet to be invented. The Planters' Compress Company, which controls the Lowry bale, declares that it has in use this season every machine that it could make in time, and the American Cotton Company has its machines at work in sixty-two places in the South, Out of the copp of 10,000,000 or 12,000,000 bales perhaps 300,000 or 350,000 may be put up this season altogether by the new process.

THE DENSEST FOREST ON EARTH. Redwood Enough to Last 300 Years at the Present Rate of Cutting. Henry Gannett of the U. S. Geological Survey in the

National Geographic Magazine. The habitat of the redwood is peculiar. It is ound only in a narrow strip, closely hugging the Pacific coast, stretching from the southern oundary of Oregon or just across the boundary for there are perhaps 1,000 acres of redwood Oregon-southward through northern California, nearly to the bay of San Francisco.

The closest and finest growth is in Humboldt county, near the northern end. That portion in Mendocino and Sonoma counties is not as heavy or continuous, nor are the frees as val-uable for lumber, as they branch lower down. The wood is, however, of slower growth, is denser and harder, and perhaps more durable. The best lumber and the heaviest growth are everywhere in the valleys and on the flats. On the hillsides the trees are smaller and not so close. Nowhere is there any young growth.

elose. Nowhere is there any young growth. The youngest trees, which are found only in the northern portion of the belt, are several hundred years of age.

This is probably the densest forest on earth, as measured by the amount of timber per acresuitable for the six will. It is not the size of the trees alone which produces this, although they are exceptionally large, even in this State of large things, but it is the great number of trees, the coseness of their stand. In a redwood forest the sun never shines—it is always twilight. You are, as it were, under the roof of a vast temple, a roof of foliage, supported by great tree columns.

The area of the redwood belt has been carefully mapped, and is, as nearly as can be estially mapped, and is, as nearly as can be esti-lated, 2,000 square miles, or 1,290,000 acres, he stand of timber on this area is not so easy baseertain, but may be computed thus:

Total. 75,100,000,000
The annual cut by the mills is 250,000,000 feet. At the present rate of cutting, therefore, the supply will hast 300 years. In Mendocino county there is nearly une times as much timber on an acre as in the Southern pineries; in Humboldi county upon 10,443 acres the average stand is 84,000 feet per acre, nearly seventeen times as great as in the Southern States.

There is one cause of destruction from which this tree is entirely exempt—that is, fire. Con-

the securing of lower charges for freight or storage. There is no waste in transportation from loose cotton, no second compressing to do, if the cotton is for the fereign market, no need for serews to get it soldier into the ship's hold, and, again, the cost of marine insurance is reduced.

At the cotton mills a saving is made of the cost of what is called breaking out, which is considerable. The new bales either unroll or treak out without trouble. A new bale of the annolling type is being made, which is 36 inches long and 22 inches in diameter and weighs about 260 pounds, which the cotton cloth multipart can out right upon the arron of his lapping machine, where it unrolls ready to begin its progress into the carding and soining machines without an intermediate process. It is declared by mill experts that any

desirable, mixtures of cotton can be made at the content of the co

countries of Europe the army has for centuries been the refuge of lawbreakers. When the French were at the height of their endeavor to do business with the Arabs at the edge of the sabre, the French army in Algeria was the soft spot made for by most of the famous French criminals. This thing were out, how ever. The French police became firmly rooted to the habit, when they failed immediately to apprehend a murderer for profit, of shrugging their shoulders and murmuring "Chasseurs d'Afrique." and when a considerable branch of the Paris Police Department was transferred to Algiers, the desertions from the ranks of the Chaeseurs reached astonishing figures.

In this country the disposition of criminals with an eye to safety has been to join the navy. rather than the army. Eight years ago the cashier of one of the big real estate firms of San Francisco went cut to luncheon one day. After he had been away for three days the members of the firm took a peck into his books. They discovered that he was shy a matter of \$65,000 in his accounts, which, they further discovered, he had lost at the races. The police system of the State of California was immediately put into operation, and the en-operation of all the other American police systems, and those of Mexico and several South and Central American countries, was requested. It was thought that the fugitive had taken one of the Panama poats and landed at

quested. It was thought that the fugitive had taken one of the Panama poats and landed at one of the minor ports of Central America or Mexico. A detective went down to those regions and came isack a month later with a blank look on his lare. Then it was figured that the abscender might have gone to lionoluly, and thence to Japan. A favored detective was sent on this pleasure junket, but he had no prisoner when he returned to San Francisco, looking brown and tat. Then it was decided that the man was, in police parlance, a. w.g., otherwise a wise guy, and that his absence was liable to be prolonged.

Oncof the younger members of the firm happened four or five months later to meet a naval officer whom he knew at the Bohemian Club. The naval officer was attached to a cruiser then lying at the Mare Island Navy Yard. The maval officer invited the real estate man to run unto the vard and take luncheon with him abourd ship, and this the man of business did on the following Sunday. In the afternoon, after showing the real senate man the mavy yard, the officer took him aboard the receiving ship Independence, to show him how naval recruits are knocked into shape. The men on the Independence, several hundred in number, were doing fine trencherman a duty at the long rows of mess tables on the man deck of the old, housed-overtub, it was the supper hour. The officer and the real estate man passed fore and alt along the mess tables, and as they did so there was a furry of excitement at the gangway had his back turned, and a bluejacket was seen swimming across the stream in the direction of Vallejo, the town opnosite the vard.

"Man overboard!" was should all over the old frigate, and in a jiffy the crew of the stanned out of the long had shoved off.

opuosite the vard.

"Man overboard!" was shouted all over the old frigate, and in a jiffy the crew of the steam cutter was in the boat and she had shoved off to the rescue. The swimmer amarently didn't want to be rescued. He had almost made the Vallejo pier when the outter pulled alongside of him, and he struggled furiously when the coxswain and a couole of seamen hauled him into the boat. He saw that the proposition was too hard, however, when the coxswain gave him a jab or two with the boathook, and he sat still in the stern sheets for the remainder of the trip across to the Independence's gangway. The officer and the real estate man stood on the platform at the top of the gangway watching the seene.

"Some quarantined chap desperate to make a liberty, probably," said the officer.

Then the steam cutter pulled alongside the gangway.

"Oh. I guess not," said the real estate man.

"Some quarantined chap desperate to make a liberty, probably," said the officer.

Then the steam cutter pulled alongside the gangway.

"Oh. I guess not," said the real estate man when he had a look at the countenance of the prisoner in the stern sheets of the cutter, "That's our missing cashier, who did the firm to the tune of \$50,000. We ve seen another \$10,000 trying to find him. He must have seen me come aboard here and got scared."

The man was taken to San Francisco, tried, and got a long term at San Quencin. It was a foolish thing on his part to scramble into the water when he became aware of the presence of the member of his firm aboard the receiving ship. He would probably not have been discovered had he remained quiet and bent his head interestedly over his plate when the real estate man approached him.

More than a dozen years ago the old Richmond pulled into the harbor of New Orleans, it was during the expessition at New Orleans, and the languid Southern city was filled with detectives from all parts of this continent. The day after the lichmond droubed her much hook in the harbor the gangway was thrown down to ship visitors. One of the ship visitors was a New York detective, who is still in the traces. The detective had simply gone aboard the ship out of curiosity, not because he fancied he would find any business in his particular line. He was taken in hand by one of the voung watch and division officers. The two men were standing on the poon, looking forward, when the detective gave a start, and then, to cover it up, he turned facing aft and said to the young officer:

"That young follow shining the brass bridge rails—what name is he shinoed under?"

The officer, somewhat surprised, gave the man's name.

"One of the best seamen aboard," he added, "Les, he ought to be a pretty good seama."

That young to low shining the brass bridge ralis—what name is he shinoed under?"

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"One of the best seamen aboard," he added. Tes, he ought to be a pretty good seaman." said the detective. "He put in five years aboard a merchant ship in the China trade, and when he got back to this country, over two years ago, he went to a town in western New York and caved his old uncle's skull in with an axe for the sake of a few hundred dollars, which he didn't set, after doing this bit of bad work for it. He's a good find."

The officer was amazed.

"The officer was amazed.

"The midest-mannered bluejacket aboard," he said. "You must have this mixed."

"I fancy not, said the detective. "I had a look at his photograph no later than yesterday afternoon, when I was going over my collection of 'siecuers." I spent a month in searching for this man at the time, too, you know. I'll take him when I get the caneers."

The officer took the detective to the skipper and the story was rejeated as greatly to the deck officer's.

"Of course, when you get the papers, you'll have to have him, said the skipper. "But the thing truly astonishes me. The man is a first-rate sailorman, and I had him in mind for a chief jetty officer's rate."

The detective went ashore to do his telegraphing with the New York authorities. The seaman went very white when he was taken by the ship's chief master-ai-arms to the mast and the ordered to be confined in double froms in the solitary brig.

"What for, sir?" asked the seaman.

"You'll learn that later, my man," said the commander. "I hope there'll be a mistake discovered.

The seaman knew that there was Ino misate the it is a hard matter to saw threshold.

commander. "I hope there'll be a mistake discovered.

The seaman knew that there was no mistake it is a hard matter to saw through double irons, but he did it luring the first night of his confinement. It is harder ettlito

saw through the perpendicular bars that run up and down inside the round porthole of a solitary brig. This also the seaman did. He was a siender man, else he could never have gimleted himself through that sixteen-inch porthole. But he did it all right. How he contrived to let himself linto the water, a good fourteen feet from the solitary brig porthole, without making a splash sufficient to attract the attention of the night-touring shin's corporal was another mystery. This also he accomplished. Then he sawam ashore to the New Orleans docks, and for all the civil, military or naval authorities know to the contrary, he is going yet. When the master-atams opened the solitary brig at all hands the next morning he found the sawed double irons and the sawed porthole. When I the detective appeared aboard the ship a while later with his necessary orders from New York, the young officer with whom he had talked met him at the gangway.

"I guess that was your man, all right," said

that was your man, all right," said. "He has done a neat bit of ship

"I guess that was your man, all right," said the officer. "He has done a neat bit of ship jumping."

Three summers ago an elaborate luncheon was given aboard one of the ships of the North Atlantic squadron, anchored at Newport. About a hundred of the residents attended the luncheon, which was given in the wardroom. To reach the measroom the guests passed through an open line of natty measroom attendants drawn up on the quarterdeck. As the party of guests passed along through the open file of "strikers" one of them, a characteristic looking English servant, suddenly dropped out of the line of man-of-war servants and retreated forward at a lone. The officer of the deck observed this move. When the guests had all passed into the measroom attendant who had so suddenly abandoned his mates. He questioned the man.

"I'm sick," said the bolter.

The officer of the deck told the man to go aft and see the surgeon, and then to report immediately for duty in the measroom, providing he was not placed on the sick list. The servant, with many anxious looks into the measroom while this colloquy was going on, went to the sockney striker." Dan't ter to

messroom while this colloquy was going on, went to the surgeon, and the latter examined him carefully.

You're malingering, my man," said the surgeon to the cockney striker. "Don't try to shirk work aboard this ship. You are liable to get into trouble at this game. Report to the officer of the deck as fit for duty at once."

There was nothing for it but to obey. The mess attendant was sent into the messroom to thelp wait upon the ship's guests. He went to the galley up forward with the procession of mess attendants after the soup, and then the procession of soup-plate bearers went aft to the messroom in close file. Of course, the guests looked up at this natty parade of strikers." As the English mess attendant stoped under the lintel of the wardroom door one of the women at the table became greatly excited and all but sereamed. The cockney dropped his soup plate and ran forward.

"The man that roubed me of my lewels! Catch him! Catch him!" exclaimed the excited woman.

"Which one?" inquired one of the officers. She described him.

"He was our second man. Three years ago, at our Denver house, he went through the jew-el chests while we were out and stripped them."

The "striker" was found hiding in one of the bankers. He was turned over to the Colorado authorities and is still in jail.

ABRAM S. HEWITT ON TRUSTS. He Thinks the Workingmen Will Gradually

WASHINGTON, April 22.-Former Mayor Ab ram S. Hewitt, who while a man, her of Congress was Chairman of the House committee which in 1878 conducted an investigation into the relations of capital and labor, in declining, on the ground of poor health, the invitation of the Industrial Commission to appear before it. has written a letter on the subject of trusts The failure of his committee to make a report was due, he says, to the conclusion reached by all the members of the committee that no report of any value could possibly be made from the testimony taken. This testimony lisclosed conclusively the fact that the witnesser, when cross-examined, invariably contradieted themselves, leaving the testimony which they had given as that of men who had no clear convictions upon the subject. No human being could possibly evolve from this mass of contradictory evidence any definite conclusions whatever as to legislation in reference to the relations of capital and labor, except possibly the one conclusion that legislation could do no good and would probably be mischie-Mr. Hewitt inclosed an address delivvous. ered by him in 1800 on the relations of capital and labor, and says:

"Since the time when this address was delivered still further progress has been made toward the solution of the question which is therein discussed. Corporations have conthey threaten to absorb the entire industrial business of the country which is capable of being administered by centralized manage-This is precisely the direction which I anticipated, and seems to me to be in acplace within the last half century, and which may be in accordance with a natural law, if may be in accordance with a natural law, if there be natural laws involved in the progress of modern civilization. My own view is that when industry has been sufficiently central-ized and the ownership widely diffused through the distribution of shares, the work-men will gradually nequire these shares and control the property which they represent. In fact, I cannot see any other outcome for the present novement toward the consolidation

men will gradually acquire these shares and control the property which they represent. In fact, I cannot see any other outcome for the present movement toward the consolidation of industrial enterprises than the transfer of the control to those who are actually engaged in the work of operation. How far legislation can be made to promote this desirable end I am unable either to predict or suggest.

As a general proposition I regard legislative interference with capital and labor as perniclous. Women and children may properly be protected from abuse, but I think individual interests are best safeguarded by conneiling the parties converned to settle their own differences and decide upon their own interests. The corporate movement, however, seems to me to be allogether alvaniageous to society. I do not doubt that, with the spread of knowledge through technical elucation and the general improvement in the intelligence of men, who under our modern conditions of industrial life have ceased to be machiner, the standard of self-respect, of comfort and of happiness will be permanently raised.

"There is one question, however, with which society will probably have to deal, and that is the increase of population. I forbear to discuss this question for obvious reasons, but I am quite confident that in the future the world will experience more danger from redundant population than from any other cause. The time, however, is far distant when this question will become of any practical importance, although in some countries in the world it presses for solution to-day. In France the standard of comfort has been raised by the cantrol which the people seem voluntarily to have exercised in regard to the increase of population for neverthed by the cantrol which the people seem voluntarily to have exercised in regard to the increase of population for neverthed by the oransolation for neverthed by the oransolation for neverthed to judge. This is a question for legislators."

METROPOLITAN'S GIANT ENGINES.

Electricity Will Be Generated by Eleven Machines Capable of 72,600 Horse Power. The great plant which the Metropolitan Street

Railway Company is building on the East River, between Ninety-fifth and Ninety-sixth streets, to furnish electricity to the company's lines throughout the city will contain eleven stationary engines, which, it is said, will be the largest ever constructed in the world. One of the engines has already been delivered by the Edward P. Allis Company, and this company, which has its works at Milwaukee and an office at 26 Cortlandt street, this city, is now at work upon the others. The big machines will be identical. Each is to have a vertical compound engine of the most modern type, and will weigh 600 tons and be forty feet in height. Every throb of the mighty pistons of each engine will carry an amount of energy equal to congine will carry an amount of energy equal to 15,000 horse power, and when the eleven are set up and their big fiv wheels revolve the passengers on the Metropolitan company's lines will have back of them in the big power station a potential energy of 72,000 horse power. Each engine is to drive an alternating current generator, and it was said yesterday by an engineer that the observed whether the power station alone should be sufficient to take care of all the cars on all the present Metropolitan inos. The engine which has already been delivered is now being erected, but it will take some time to put up, and it is certain to be several months before the complete plant will be ready to be operated.

The Allis Company is now considering the building of a tweifth engine of the same pattern for exhibition at the coming International Exposition at Paris. The pattern is known as the Reynolds-Corliss engine, it having been designed by Edwin Reynolds, general superintendent and Second Vice-President of the company.

Another record which has been broken at the Metropolitan Company's new power station is that of chimney. 6,600 horse power, and when the eleven are

Another record which has been broken at the Metropolitan Company's new power station is that of chimneys. The plant's stack is the Jargest in the world and the tallest on the continent. It is 353 feet high and has a 22-foot core. In the matter of height it is beaten by a stack at Hutte, Saxony, which is 469 feet high, and by several in England. The chimney of the Omaha and Granting Company at Denver, which is 352 feet 7 inches high, also comes within a few inches of it. The higher chimney, which was built on a concrete foundation resting upon piles, weights \$540 tons. dation resting upon piles, weighs 8,540 tons.

THE BEST OF MAPLE SUGAR

A DELICACE GIVEN TO FEW MORTALS

Conditions Necessary to Obtain Maple Sugar Perfection-The Ideal Bush and the Old-Pashioned Camp-Process of Rolling

The maple sugar crop is now being harvested up in the woods of New Hampshire, Vernont, New York, Connecticut and wherever there are maple trees. It is a great crop, too, in its way and amounts to some thousands of tons all told. The genuine maple sugar, however, is a difficult article to get and commands high prices at a distance from the sugar bush. The kind of stuff found in the verage city grocery labelled maple sugar is chiefly made of brown sugar and has only the aintest flavor of the pure woods-boiled sugar.

the Sap-Sugaring Off-The Result.

The very best sugar can hardly be purhased at all. It comes from some isolated patch of maple trees on a big, paying farm, The bush has been carefully culled out so that the trees are far enough apart to give them eaving room and a chance to harden their fibre with the swaying of the wind. There are fifteen or twenty sores of the wood lot, with a little swamp at one end and pasture land on three sides of it and a stream on the fourth. The road is so far away that the dust does not dim the green leaves of summer time. A partridge has its nest some where there and the crows congregate in the half dozen hemlocks or pines in migrating time.

The dead limbs of the trees sometimes are trimmed off. Ambitious sapling trees make the bolling down fire in the spring. In so large a lot there is always a dead or fallen tree or perhaps two fit for a sugar fire. Besides these is the now-disappearing split rail fence. which has given way to the wire fences.

The sap trees are tapped with a three-eighth or half_inch auger bit. The hole is bored about two feet above the root slanting three inches deep, and the spile put in so that the sap runs down the spile freely. The spile is made of wood; a branch of sumach an inch in diameter, is cut off and sawed to about nine inches in length. Two inches from the larger end the piece is sawed almost half in two and the seven-inch end is split off. An expert spile maker cuts his branches eleven inches long and when he splits them makes two spiles at a whack. The soft pith of the ;branch is burned out with a red-hot bit of wire and the intact ends are whittled down so that they fit in an auger hole of the size used in the trees. There are various fancy spiles, patented, made of metal, with palls to hang on hooks under the With the home-made spiles go milk pans and three-foot-long logs, hollowed out like canoes, to eatch the sap. All the sap catchers are called buckets and the best-flavored sugar comes from wooden canos-shaped buckets, which have seen half a dozen years service.

The camp is a little shed-a mere roof of boards or bark supported by poles laid across the branches of four trees. It is a shelter during the spring rains for the boilers. The pan is made of heavy sheet fron. It is eight or ten feet long, and four feet wide. The sides are four inches high. It is all riveted and has to be absolutely water-tight of course. At one end at the lower edge is a little faucet with a turncock. The ran is mounted so that it all slopes toward the faucet. The pan rests on stone walls along ends side and across the rear end. The rear end has a chimney of ordinary storage.

it all slopes toward the faucet. The pan reats on stone walls along ench side and across the rear end. The rear end has a chimney of ordinary stoverine a yard or so high. The pan is two feet above the ground. To fire the pan a bile of wood is gathered from all corners of the lot. Bead branches, bits of boards, parts of fences, and any failen trees are dragged with a two-horse team to the camp and piled un, loosely, because that is the most convenient way. The pile may be five or even ten feethigh and always contains several cords of wood. It is gathered in the fall because then it is easiest to find and haul the wood.

When the sap begins to run freely in the early days of the spring, after the sun has thawed the south side of the trees, the boiling down pan, the luckets and the spiles are all hauled down to the woods. The furnace is cleared of snew and dried by fire. One's ways is made about the camp by treading paths in the snow and the buckets are set to catch the sap. This trees are tapped so early that usually the sap runs for only an hour or two a day. A big from kettle-the very one used to make soft soap in—is brought down for sugaring off and swing by a chain from the butt-end of a thirty-foot saping almost over the top of a solid stump to swing side-ways, instead of up and down as in a wellsweep. The second day in a small bush toting the sap begins by the two or three men going out with yokes holding on each side milk balls and bringing the sap to a big hogshead near the boiling pan. The third day, if there is enough sap, the pan is filled about a third or half full and the fire started. The sap boils and clouds of steam rise from it. Sticks, five and six feet long, are kent burning under the pan on a six-inch bed of redhot coals and ishes. More sap is poured in as the water evaporates and the fluid in the pan changes slowly from the color of water to a brown that grows steadily darker.

When about half boiled down it is a favorite drink with the young folks. Children who drink too much of the stort ha

evaporates and the fluid in the pan changes slowly from the color of water to a brown that grows steadily durker.

When about half boiled down it is a favorite drink with the young folks. Children who drink too much of the stuff have suffered abels of serious illness, have even died, if the makers of sugar may be believed. When the syrup is beginning to thicken and get sticky the long iron kettle is swang around under the faucet of the pan, after the fire is drawn, and the syrup is run out for the, second or sugaring-off boil.

Meantime, as the sap boiled in the uncovered pan leaves fell into it, the dead twigs from the trees floated on its surface, and, best of all, the thin blue smoke from the clean firewood switched down on the sap-giving it the necessary flavor without which maple sugar. More sap is but in the pan and the boiling begun all over again there. Under the kettle is built a very artistic fire. Green birch sapings make the best. The sapings make the best. The sapings make the best. The sapings are out into three-foot lengths, and the kettle, though it swings a foot from the ground sits six inches deep in a pit of the buning wood built up around it. The sticks emit a most fragrant smoke, easily seen through, as it is thin, but it puts the finishing flavor to the sugar as it boils in the kettle. The syrup hickens rapidly. It can no longer be drunk down by the dipperful, even by the sweetest-toothed visitor of the bush.

At last the maker, after many trials, takes a dincerful of the syrup and holding it high up pours the syrup lack into the kettle. As the last drop runs out it hangs a moment, as it undecided, then swings lazily down. Stretching behind it is a thin thread, like spider's allk, which breaks off and drifts in the wind.

A big mik one ful of snow, clean and white, resting nearby, is brought to the kettle and half a dioper of the molasses is strung over the top of the snow. It runs down into the snow as if it were water for a moment, then seek. It is sugar say the way and more shopers and

QUEUES OFER CHINESE GATES. Signs of Justice Dealt Out to Rebels in Anhul Province.

SHANGHAL March 28 -Letters from a missionary who has just travelled across North Anhui from Honan, selling Bibles for the British and Foreign Bible Society, give graphic pictures of the terror and distress caused by the rebellion in that province. The missionary started out with a colporteur and two young Chinose wheeling barrows. For several days they simply heard rumors of the approach of the rebels, who were killing, plundering and burning. Finally, after four days' travel they neared a large city toward which crowds of fugitives from the surrounding country

of fugitives from the surrounding country were pouring by every read. At all the small villages rusty old gons were being furthished up and spears brought out for use. The city was reported to be full, but thousands were pressing about the gates eager to secure the shelter of the walls.

The missionary was unable to gain entrance to the gates because of the crowd, which would give way only for an official. Many of these refugees had come some distance, and all were carrying their household belongings in carts or in wheelbarrows. Little children were crying from housered expessive.

On reaching Suchon, in Kinngau, it was found that the solders had defeated the marauders, stilling a large number. Over the west gate were hanging about seventy queues, some with the ears attached, and over the south gate were 200 more, grim evidence that justice had been dealt out to some of the criminals whe have terrorized the whole province.